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August 1, 2006

VIA ELECTRONIC FILING AND OVERNIGHT DELIVERY

Mary L. Cottrell, Secretary
Department of Telecommunications and Energy
One South Station
Boston, MA 02110

Re: Bay State Gas Company, D.T.E. 06-36

Dear Ms. Cottrell:

Enclosed for filing, on behalf of Bay State Gas Company ("Bay State"), are Bay State's responses to the following Information Requests:

DTE 2-9

The remaining response (DTE 2-8) will be filed as soon as it is available.

Please do not hesitate to contact me if you have any questions.

Very truly yours,

Patricia M. French

cc: Julie Howley Westwater, Esq., Hearing Officer
Jamie M. Tosches, Esq., Office of the Attorney General
Service List (Electronic Service per the Ground Rules)

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF TELECOMMUNICATIONS AND ENERGY

RESPONSE OF BAY STATE GAS COMPANY TO THE
SECOND SET OF INFORMATION REQUESTS FROM THE D.T.E.
D.T.E. 06-36

Date: August 1, 2006

Responsible: Francisco C. DaFonte, Director, Energy Supply Services

DTE 2-9 Please refer to the Company's response to IR SPR 1-11, Att. SPR 1-11. Explain why the Design Day EDD is a cold January day at 4% probability. Specifically, explain the basis for the 4% probability.

RESPONSE: Bay State's approved design day planning standard is 1-in-25 years, which equates to a 4% probability of occurrence in a given year. See D.T.E. 02-75 (2004) at p.5. The Design Day EDD is developed by observing the coldest EDD in each of the three Bay State service territories for each January since 1968, as January is statistically the coldest month. The 4% probability results from deriving the average of the 38 observations, and determining the value at approximately two standard deviations to the right of the average.